

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IT2004/000117

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C12N15/11 A61K48/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 C12N A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, MEDLINE, CHEM ABS Data

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	MONTELEONE G ET AL: "BLOCKING SMAD7 RESTORES TGF-BETA1 SIGNALING IN CHRONIC INFLAMMATORY BOWEL DISEASE" JOURNAL OF CLINICAL INVESTIGATION, NEW YORK, NY, US, vol. 108, no. 4, August 2001 (2001-08), pages 601-609, XP001152527 ISSN: 0021-9738 page 602, right-hand column, line 15 - line 21 page 607, right-hand column, paragraph 2	1-16
Y	US 6 159 697 A (COWSERT LEX M ET AL) 12 December 2000 (2000-12-12) column 40 - column 42 ----- -/--	1-16

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
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Date of the actual completion of the international search

5 August 2004

Date of mailing of the international search report

18/08/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>KRIEG A M: "Mechanisms and applications of immune stimulatory CpG oligodeoxynucleotides" BIOCHIMICA ET BIOPHYSICA ACTA . GENE STRUCTURE AND EXPRESSION, ELSEVIER, AMSTERDAM, NL, vol. 1489, no. 1, 10 December 1999 (1999-12-10), pages 107-116, XP004275526 ISSN: 0167-4781 page 111, right-hand column, paragraph 5 page 113, left-hand column, paragraph 1</p>	1-16
A	<p>US 2002/034736 A1 (FALB DEAN A ET AL) 21 March 2002 (2002-03-21) page 25, right-hand column, paragraph 243 - paragraph 245</p>	1-16

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6159697	A	12-12-2000	AU 2944701 A EP 1248794 A1 JP 2003520586 T WO 0153313 A1 US 2003049662 A1	31-07-2001 16-10-2002 08-07-2003 26-07-2001 13-03-2003
US 2002034736	A1	21-03-2002	US 2003097668 A1 US 6099823 A US 6359194 B1 US 2002102603 A1 US 2003073076 A1 US 2004081992 A1 US 2002142441 A1 AU 725192 B2 CA 2247246 A1 EP 0904277 A1 JP 2001521365 T WO 9730065 A1 US 2002016303 A1 US 6048709 A US 6759210 B1 US 6221628 B1 US 6087477 A AU 2124397 A	22-05-2003 08-08-2000 19-03-2002 01-08-2002 17-04-2003 29-04-2004 03-10-2002 05-10-2000 21-08-1997 31-03-1999 06-11-2001 21-08-1997 07-02-2002 11-04-2000 06-07-2004 24-04-2001 11-07-2000 02-09-1997